

1. Rubber mixtures containing one or more hydroxyl group-containing rubbers polymerised in solution and synthesised from diolefins and vinyl aromatic monomers containing bound secondary hydroxyl groups in the range of 0.1 to 5 wt.%, characterised in that the secondary hydroxyl groups are located no further than 4 carbon atoms away from the respective side chain end.

2. Rubber mixtures according to claim 1, characterised in that the hydroxyl group-containing rubber or rubbers polymerised in solution have a content of polymerised vinyl aromatic in the range of 5 to 40 wt.% and a 1,2 vinyl content in the range of 5 to 60 wt.%.

3. Rubber mixtures according to claim 1, characterised in that styrene is used as vinyl aromatic monomer.

4. Rubber mixtures according to claim 1, characterised in that 1,3-butadiene and/or isoprene are used as diolefins.

5. Use of the rubber mixtures according to claim 1, for producing moulded articles of all kinds, in particular for producing tyre treads.

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